

Amendments to the Abstract:

An ultrasonic diagnostic apparatus includes an ultrasound probe having two-dimensionally arranged transducer elements for transmitting and receiving an ultrasonic ~~wave~~ waves to an object ~~to be examined~~, a transducer element ~~selecting means-selector~~ for selecting ~~the~~ transducer element elements used in ultrasound transmission and reception, a signal processing unit for applying a delay ~~time~~ to a signal received by ~~the~~ a selected transducer element, an image processing unit for generating an image based on the ~~basis of an~~ output signal of the signal processing unit, and an image display unit ~~for displaying the image, wherein the~~. The image processing unit ~~includes storing means for storing~~ stores a first ultrasound image obtained by a scan of ~~the~~ a first transducer arrangement selected by the transducer element ~~selecting means-selector~~ and a second ultrasound image obtained by a scan of ~~the~~ a second transducer arrangement selected by the transducer element ~~selecting means-selector~~ so as to irradiate an ultrasound beam in a different direction than ~~a~~ the beam direction of the first transducer arrangement, and ~~image calculating means for combining~~ combines the first ultrasound image and the second ultrasound image. ~~By providing the above-described ultrasonic diagnostic apparatus, a tomographic image of high resolution can be collected using the ultrasound probe of two-dimensional arrangement, and image quality of a diagnostic image can be improved using the ultrasonic probe of two-dimensional arrangement without increasing a scale.~~